

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO: 156 Suppl. No. 0 Contract No. 04 – 0120F4 Road SF-80-13.2/13.9 FED. AID LOC.:**To: AMERICAN BRIDGE/FLUOR ENTERPRISES INC A JOINT VENTURE**

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract.

NOTE: This change order is not effective until approved by the Engineer.

Description of work to be done, estimate of quantities and prices to be paid. (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. This last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

Extra Work at Force Account

As directed by the Engineer, replace the Dacromet coated ASTM A490M fastener assemblies, including, but not limited to, the following:

1. The Dacromet Coated ASTM A490M fastener assemblies required in Section 10-1.59, "STEEL STRUCTURES," and Section 10-1.69, CLEAN AND PAINT STRUCTURAL STEEL," of the Special Provisions shall not be used for this Contract unless otherwise required. Where otherwise required, an industrial hygiene plan to protect against the Hexavalent Chromium hazard shall be developed and adhered. These otherwise required locations include:
 - a. M36 assemblies for use in the West jacking saddle (total 32 assemblies)
 - b. Tower grillage transverse and longitudinal splices (approximately 7000 assemblies)The unused Dacromet coated assemblies shall remain the property of the Contractor and shall be disposed of in accordance with applicable law.
2. ASTM A490M fastener assemblies (including bolts and washers, with standard nuts without overlap for all bolts and overtapped with a nominal nut overlap allowance of 0.457mm (0.018") nuts for all bolts) shall be purchased to replace the Dacromet coated assemblies not used due to the direction in Item 1, above.
3. Furnish and install temporary fastener assemblies.
4. Furnish approximately 330 extra uncoated ASTM A490M fastener assemblies left over from the testing in CCO 115 which shall be shipped to the bolt supplier, coated with Geomet, and returned to the jobsite for testing. A report describing the results of these tests shall be provided to the Department for review and approval.
5. Furnish approximately 230 Geomet coated ASTM A490 fastener assemblies for additional testing if necessary.
6. Furnish three (3) of the extra CCO 115 uncoated ASTM A490M bolts coated with Geomet for testing open circuit potential (OCP). A report describing the results of these tests shall be provided to the Department for review and approval.
7. In the event that the results of the testing in the items above, confirm the similarity between Dacromet and Geomet coated material, the fastener assemblies in item 2 shall be coated using Geomet and the production of the uncoated nuts without overlap shall cease. Taps and steel used for the uncoated nuts shall be recycled or resold, providing a credit to the Department.
8. If the assemblies are Geomet coated, the Geomet coating shall consist of Geomet 321 coating with Plus sealer on bolts and washers and Geomet 321 coating with Plus XL sealer on the nuts.
All other Contract requirements for Dacromet coated assemblies shall apply to Geomet coated assemblies.
9. All temporary fastener assemblies installed in Item 3 will be replaced with the new permanent ASTM A490M fastener assemblies as necessary to minimize schedule impact.

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Consideration of a time adjustment will be deferred until completion of the work specified herein. Determination of a commensurate time adjustment will be made in accordance with Section 10-1.13, "PROGRESS SCHEDULE (CRITICAL PATH METHOD)" and Section 10-1.14, "TIME-RELATED OVERHEAD" of the Special Provisions, as well as Section 8-1.07, "LIQUIDATED DAMAGES", of the Standard Specifications.

Labor, equipment and material authorized by the Engineer, will be paid in accordance with the provisions of Section 4-1.03D, "Extra Work" of the Standard Specifications and Section 5-1.24, "Force Account Payment" of the Special Provisions.

Estimated Cost of Extra Work at Force Account.....\$3,000,000.00


Estimated Cost: Increase ☒ Decrease ☐ Est. \$3,000,000.00

By reason of this order the time of completion will be adjusted as follows: Deferred

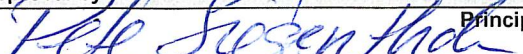
Submitted by

Signature 	Resident Engineer	Mark Woods, Senior B.E.	Date 24 Sept. 2010
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Approval Recommended by

Signature 	Supervising Bridge Engineer	Richard Morrow, Sup. B.E.	Date 9/27/10
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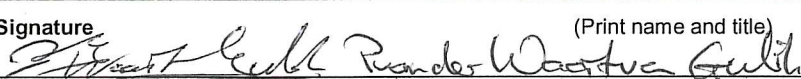
Engineer Approval by

Signature 	Principal Transportation Engineer	Peter Siegenthaler, Prin. T.E.	Date 9/30/10
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We the undersigned contractor, have given careful consideration to the change proposed and agree, if this proposal is approved, that we will provide all equipment, furnish the materials, except as otherwise be noted above, and perform all services necessary for the work above specified, and will accept as full payment therefor the prices shown above.

NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

Contractor Acceptance by

Signature 	(Print name and title)	Date
Brandon Wastava, Deputy Project Director		9/29/10